

**Amendments to the Specification**

Please replace the paragraph at page 13, lines 11-25 with the following amended paragraph:

The ring-like steel plate 2c is screwed into the steel pipe 2a, being relatively deep therein, and has a configuration formed with a magnetic protrusion 4. In this embodiment, the electromagnet 10 has such a configuration that the end face of the plunger 5 and the convex steel member 2b, and the disc-like steel plate 6 and the protrusion 4 are opposed in the same direction lengthwise of the electromagnet, respectively. The distance g between the side surface of the plunger 15 and the ring-like steel plate 2c is shorter than the stroke length of the movable iron core. The distance X between the end face of the plunger 5 and the convex steel member 2b is set to be shorter than a distance L between the disc-like steel plate 6 and the protrusion 4, and upon completion of attraction, the plunger 5 and the convex steel member 2b are made into contact with each other.